User manual

TIMOBIL

Mobile dust extractor

Fig.: TIMOBIL

CE

WASSERMANN DENTAL-MASCHINEN GMBH

Dear customer,

Thank you for choosing a product from the Wassermann range. Wassermann dental equipment incorporates the highest standards of quality and the latest technology. In order to enjoy maximum performance and years of trouble-free operation from the equipment, please read this user manual carefully **before** you start work, and operate the unit according to the recommended guidelines.
Please ensure that all persons operating the equipment have read and understood this user manual.

Keep this user manual on hand for ready reference.

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WASSERMANN DENTAL-MASCHINEN
Die Basis für Ihr Labor

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1 For your safety

1.1 Correct use of this product

The Timobil is a stand-alone dust extractor with an integrated handpiece for use in the laboratory and in the field. It is especially useful for cutting and trimming dental appliances while sitting on a bench stool.

1.2 Safety symbols used in this manual

Warning!

This is a warning of risk situations and dangers. Failure to observe this warning could be life-threatening. These warnings must be observed!

Information!

This symbol draws your attention to specific features, which should be noted.

1.3 Safety guidelines

Configuring and operating this equipment requires ***precise knowledge*** and ***observance*** of the instructions in this ***user manual***. The equipment is designed only for its intended application.

Servicing and repairs should be carried out only by authorised specialists.

Make sure that the unit is connected to the correct mains voltage.

1.4 Your user manual

Configuring and operating this equipment requires ***precise knowledge*** and ***observance*** of the instructions in this ***user manual***. The equipment is designed only for its intended application.

1.5 Responsibility for operation and damage

The responsibility for operating the unit lies exclusively with the owner or user if the said unit is incorrectly serviced, maintained or altered by persons not employed by an accredited dealer or if the unit is used in a manner contrary to its specified purpose.

The unit must be maintained and operated in accordance with this user manual. Wassermann Dental-Maschinen GmbH is not responsible for damage arising from the ***non-observance*** of these instructions.

Guarantee and responsibility provisions contained in the sales and supply conditions of Wassermann Dental-Maschinen GmbH are not extended by these instructions.

Product responsibility lapses if the equipment is altered by unauthorized third parties or if non-original parts are installed. Use only original WASSERMANN replacement parts

1.6 Authorized users

The owner of the equipment must ensure that any users have been provided with the user manual and that they have read and understood its contents before operating the equipment.

Ensure that this user manual is accessible <u>at all times</u> and has been read and understood.

2 Care and maintenance

2.1 Maintenance

Always disconnect the power cable before undertaking cleaning or maintenance.
The model plate must always be legible and should not be removed.

The equipment should be cleaned at regular intervals to ensure trouble-free operation. It requires only normal cleaning (sponge, damp cloth, mild detergent). Do not use chemical additives.

2.2 Care

Remove external dirt from time to time with some form of cold cleaner.
Use only cold cleaners to avoid damaging the paintwork or removing the lettering.
Recommended: A151 universal cleaner.

2.3 Cleaning and/or servicing the chuck

1. Open the chuck.
2. Unscrew the plastic tip by turning it manually to the left.
3. Insert the chuck key fully into the chuck.
4. Hold the shaft firmly with an adjustable wrench.
5. Undo the chuck by turning the chuck key to the left.
6. Use the brush to clean the handpiece shaft inside and out. Lubricate the shaft bore outside the chuck with a couple of drops of oil.
7. Insert the chuck by hand.
8. **Make sure the chuck mechanism is open.**
9. Hold the shaft with the adjustable wrench and use the chuck key to screw the chuck in fully.

2.4 Changing the filter

The unit has a one-way filter bag, which is easy to change when it is full. Undo the locks on the right and left and remove the cover. You can now replace the full bag with a new one.

Change the filter regularly to guarantee trouble-free dust extraction. It is time to change the bag if the extraction power becomes noticeably weaker and/or if dust collects in the extractor area.

3 Use/Application

The Timobil is a mobile dust extractor for use in the field and in the laboratory. Its four rollers mean it is easily moved. The electrical cable rolls up automatically into the unit. The Timobil also has a sturdy handpiece motor.
The speed range is between 1500 – 35,000 rpm and is infinitely adjustable using a foot pedal.
Turning the casing up to the stop opens and closes the chuck. The unit has overload protection.

<u>Warning: Risk of injury!</u> You should change the tool or the chuck only after the motorised handpiece has come to a complete stop. Do not touch the rotating tool.

4 Before you start

4.1 Unpacking / Transport

- Open the carton(s), remove the packing materials, and carefully lift out the instrument and accessories. Check that the accessories are correct.
- **Warning! The accessories are located in the unit, under the filter.**
- When transporting the unit, use appropriate packing materials to avoid accidental damage.

Locate the user manual and read it <u>carefully</u>.

When unpacking, it is important to identify any accidental transport damage. If necessary, draw up an immediate status report.

4.2 Contents

111100	Laboratory handpiece motor
111103	Handpiece holder
149035	Protective shield
590029	Cable integrated into cable drum
610016	Filter bag (installed)

5 Start-up

The unit must be at room temperature before you start it.
Pull the cable out slowly – it will stop at the desired length.
Pull the cable out quickly – it will roll back fully onto the drum.

1. plug it in
2. turn on the green rocker switch.

The unit has an automatic start, that is, the foot control turns the extractor on automatically. The extractor continues running for about 15 seconds after you have finished working.
The toggle switch at the front is used to set ***Continuous*** operation.

6 Troubleshooting / Correcting errors

Error/Fault	Likely cause	Likely solution
Little or no extraction	Filter bag full	Change filter bag
No power	Microswitch wrongly adjusted	Reset microswitch. Contact our Service Department,
Motor switches off	Overload protection	Allow unit to cool
Motor does not run	Chuck mechanism open	Close chuck mechanism

If the above recommendations do not solve the problem, contact your dental depot or our Service department.

6.1 Technical data

Voltage	230 V / 50 Hz
Power consumption	1.5 A
Output	330 W
Controller output	160 W
Handpiece motor output	95 W
Duty cycle	**S6 4min/10 min**
Weight	25.6 kg

Width	530 mm
Depth	480 mm
Height	900 mm

Noise emission ≤ 70db(A).

We reserve the right to make technical changes.

6.2 Accessories and spare parts

Accessories	
Item number	Description
149035	Protective shield
111100	Motorised handpiece
111103	Handpiece holder
111150	Cleaning set
149010	Storage table

Spare parts	
Item number	Description
611010	Spare microfine dust bag (1 set = 4 bags)
611018	Spare filter bag, white, reusable only for plaster (1 set = 4 bags)
511044	Rocker switch, green
511051	Protective cap for rocker switch

6.3 Repairs

Servicing or repairs to the unit must only be carried out by trained technicians.

Only original spares are to be used.

Responsibility for the product is voided if altered by unauthorised persons or if inappropriate components are installed.

7 Warranty

The warranty period for our equipment is 12 months. If faults occur within the warranty period, contact your dental depot or get in touch directly with our Service department. Your Timobil should only be operated in perfect condition. If faults occur which could harm operators or third parties, the unit should not be used until it has been fixed.
This warranty does not cover damage caused by improper use, external mechanical causes, transport damage or interference with the unit by unauthorized persons.

8 EC conformity certificate

in accordance with 73/23/EWG (low-voltage guidelines) modified by 93/68/EWG and 89/336/EWG (EMV guidelines) and 89/392/EWG (Machinery guidelines), with modifications

Manufacturer:	W A S S E R M A N N Dental-Maschinen GmbH Rudorffweg 15 - 17 D-21031 Hamburg	Product description:	Mobile dust extractor for dental applications
Model:	TIMOBIL		149999
Applicable standards:	EN 61010-1:1993 + A2:1995 EN 60335/2/54 03.97 EN 50081-1 + EN 50082-1 DIN 45635 Part 1		

Hiermit wird bestätigt, dass die oben bezeichnete Maschine den genannten EG-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung verändert wird.

This is to confirm that the above mentioned machine complies with the described EC rules. This declaration becomes invalid if the machine is modified without our approval.

Cette machine est conforme aux normes en vigueur de la Communité Européene. Cet avis est nul et non avenant si cette machine est modifiée sans notre accord.

Esta máquina, anteriormente mencionada, cumple con los limites requeridos por el reglamento EC. Ahora bien, esta declaración quedará invalidada en caso de realizar modificaciones al aparato sin nuestra aprobación.

Hiermee wordt bevestigd dat bovengenoemde machine voldoet aan de voorgeschreven EU normen. Deze verklaring verliest geldigheid als er zonder onze uitdrukkelijke toestemming wijzigen aan de machine worden aangebracht.

Place, date: Hamburg, 10 April 2003 Company stamp:

WASSERMANN DENTAL-MASCHINEN GMBH Rudorffweg 15-17 • 21031 Hamburg

Signed: _____

Wilfried Wassermann
(Managing Director)

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